

Product datasheet for KN306139RB

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Frs2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

Symbol: Frs2

Locus ID: 327826

Components: KN306139G1, Frs2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN306139G2, Frs2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN306139RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: <u>NM 177798</u>

UniProt ID: Q8C180

Synonyms: 4732458E18; C330018A15Rik; Frs2alpha; SNT1

Summary: Adapter protein that links activated FGR and NGF receptors to downstream signaling

pathways. Plays an important role in the activation of MAP kinases and in the

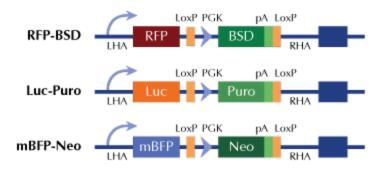
phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, in response to ligand-mediated activation of FGFR1. Modulates signaling via SHC1 by competing

for a common binding site on NTRK1.[UniProtKB/Swiss-Prot Function]



Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter